



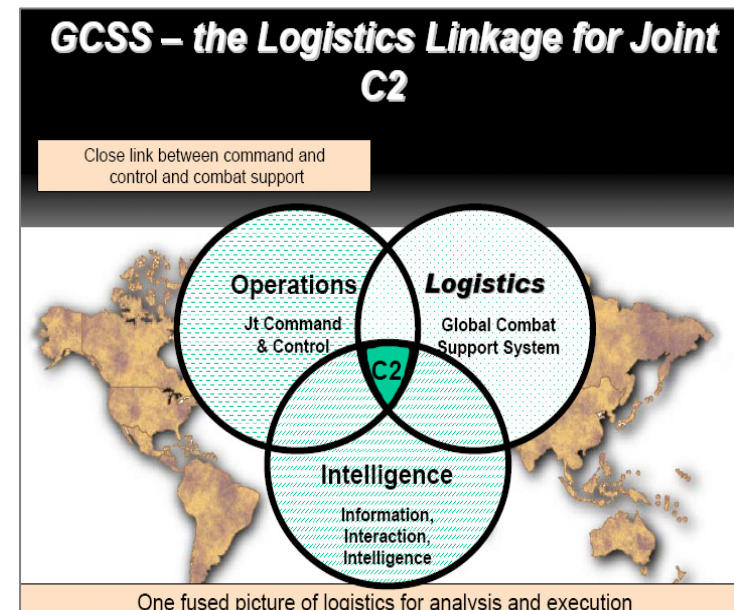
GCSS-J Overview

Global Combat Support System-Joint
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Program Overview



- Employing an Agile Development Methodology
 - Multiple sprints, comprised of 30-day development cycles, result in a version release
 - Clearly defined requirements
 - Warfighter input during development cycles
 - Provide feedback as software is installed on the First Look Site
 - Take advantage of the opportunity to “play” with the functionality
 - Test software to determine if it meets their requirement
 - Pilot for DOT&E sponsored Joint Test & Evaluation Model
 - Mission focused testing
 - Assess user’s ability to perform tasks
 - Express mission impact in joint terminology
 - Separate Key Performance Parameters and Common Operational Issues
- ACAT IAC
- MDA: DISA CAE
- Requirements Authority: Director for Logistics, Joint Staff J4
- DAA: STRATCOM J6
- OTA: Joint Interoperability Test Command
- Certifier: Defense Intelligence Agency
- Customers: Combatant Commands/Joint Task Force Commanders
- Operational Concept: Enterprise Approach



GCSS-J Vision



Joint Logistics Environment:

Visibility of logistics processes, resources, and requirements

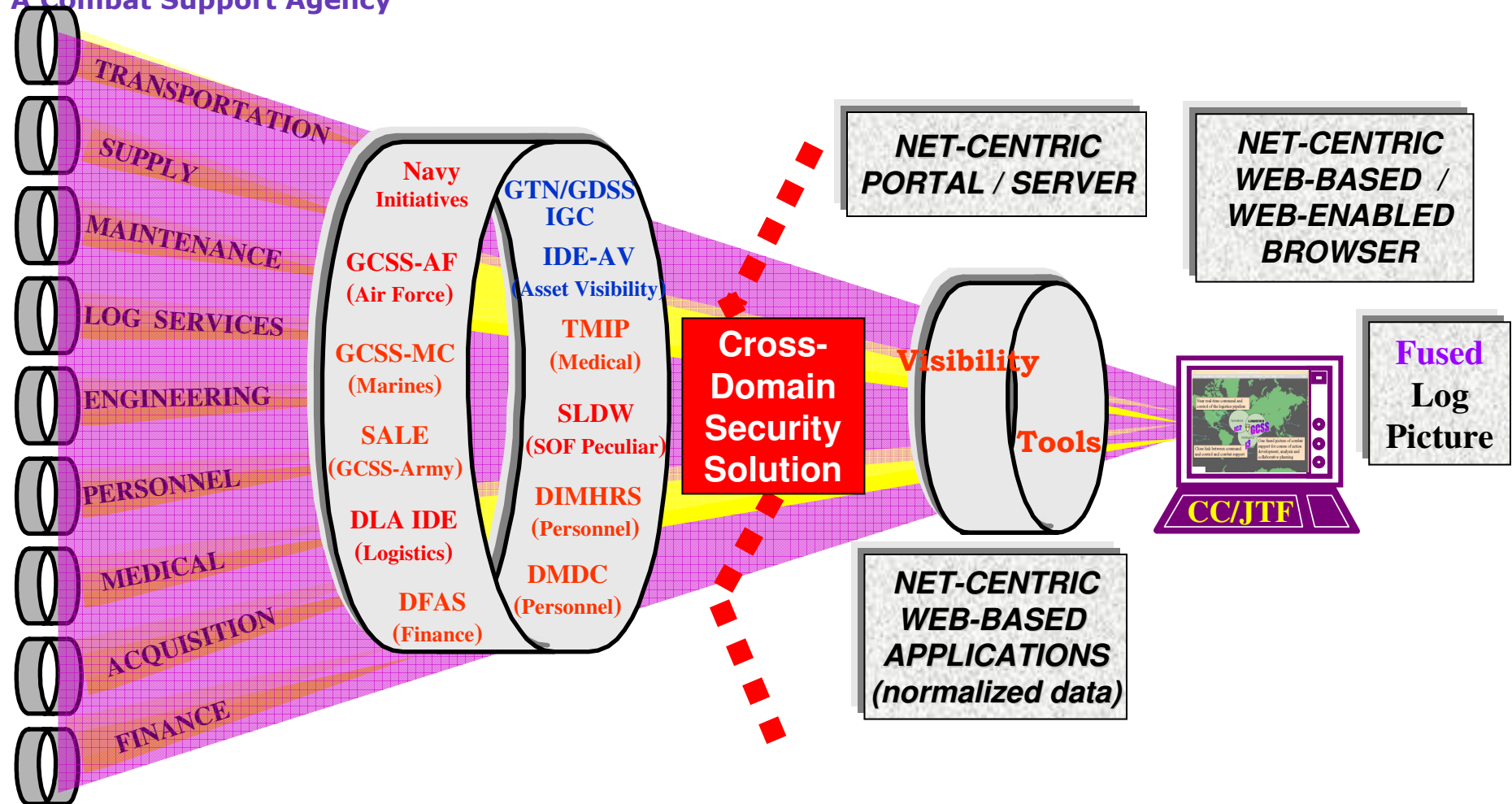
❖ **Where is it?** ❖ **How will it get here?** ❖ **When will it get here?**



- Real time, web-based information systems, providing accurate, actionable visibility of a common relevant operational picture
- Effectively linking operator and logistician across joint forces, services, and support agencies
- Built on existing technology, products, procedures, & integration strategies
- Progress from web-enabled logistics to net-centric, collaborative logistics planning & execution

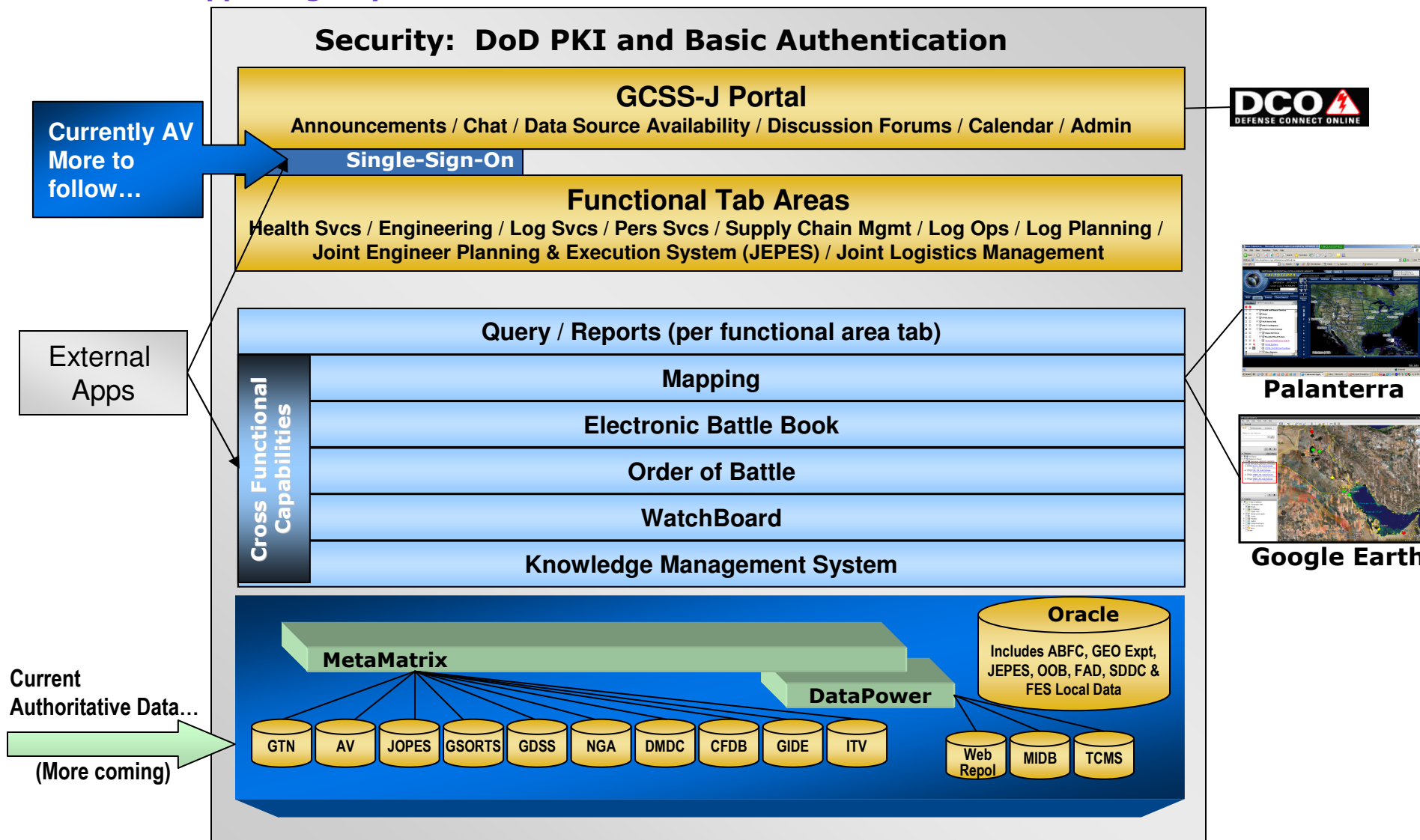
GCSS Optimizes Operations with Joint Logistics Capabilities

Strategy



- Leverage existing/emerging Service and Agency data sources
- Include functional users in the development process (rather than wait until OT&E) to define views/assess progress
- Leverage an agile development process that yields quality products every couple of months
- Lead the net-centricity charge through use of a standards-based COTS infrastructure, a Services Oriented Architecture, and web services to subscribe to and publish data and applications

Adopt, Buy, Create Functional View



De-Couple Arch Components to Lowest Level

Capabilities Summary



Portal – The GCSS gateway to the query tool, integrated and federated joint logistics applications, data, and functionality for decision support.

Interactive Mapping – Provides world-wide map products with NGA's Palanterra data layers and logistics data layers to allow the warfighter to plot objects and drill down for additional operational data for improved situational awareness

Joint Engineer Planning & Execution System – Assists engineering planners in determining their civil engineering support requirements and documenting their civil engineering support plan.

Knowledge Management System – Controlled shared file space for commands and their staff elements to post, retrieve, share, and search for essential elements of information.

Joint Logistics Management

Site	ADDITIONAL	AVAIL	Current	2YS	RTS	HEAVY	Unloaded Gas	Lightweight
Al-Riad	N/A	N/A	N/A	81%	N/A	N/A	N/A	N/A
Al-Dhafa	N/A	N/A	N/A	N/A	10%	N/A	N/A	N/A
Al-Taqadim	N/A	N/A	N/A	23%	N/A	N/A	N/A	N/A
Al-Lahad	N/A	N/A	N/A	95%	N/A	N/A	N/A	N/A
Al-J	N/A	N/A	N/A	22%	N/A	N/A	N/A	N/A
Al-Jalib	N/A	N/A	N/A	15%	N/A	N/A	N/A	N/A
Al-Jalib	N/A	N/A	N/A	8%	N/A	9%	155%	N/A
Al-Jalib	N/A	N/A	N/A	82%	N/A	N/A	N/A	N/A
Al-Jalib	N/A	N/A	24%	13%	N/A	N/A	N/A	N/A
Al-Jalib	N/A	N/A	2%	7%	N/A	N/A	2%	N/A
Al-Jalib	N/A	N/A	N/A	9%	N/A	N/A	N/A	N/A

Munitions Watchboard

Category	Location	2YS	RTS	Unloaded Gas	Lightweight
AVAIL	ADDITIONAL	81%	N/A	10%	N/A
ADDITIONAL	ADDITIONAL	N/A	N/A	N/A	N/A
ADDITIONAL	ADDITIONAL	23%	N/A	9%	N/A
ADDITIONAL	ADDITIONAL	N/A	N/A	N/A	N/A
ADDITIONAL	ADDITIONAL	N/A	N/A	N/A	N/A
ADDITIONAL	ADDITIONAL	N/A	N/A	N/A	N/A
ADDITIONAL	ADDITIONAL	N/A	N/A	N/A	N/A
ADDITIONAL	ADDITIONAL	N/A	N/A	N/A	N/A

Joint Engineer Planning & Execution System

Order of Battle – Provides users the ability to quickly create a unit organizational hierarchy and view critical logistics information about the unit.

Reports – A business intelligence capability to provide users query capability to data sources and the ability to create and save tailored reports.

Electronic BattleBook – facilitates sharing of information within the operations center and with the commander using a concept similar to a “three-ring notebook” with files and web pages organized into categories

WatchBoards – Enables the logistician to rapidly compare planned actions with actual events, monitor critical assets and information, and to quickly view their status (red, yellow, green stop lights)

Agile Development Process



Sprint Planning

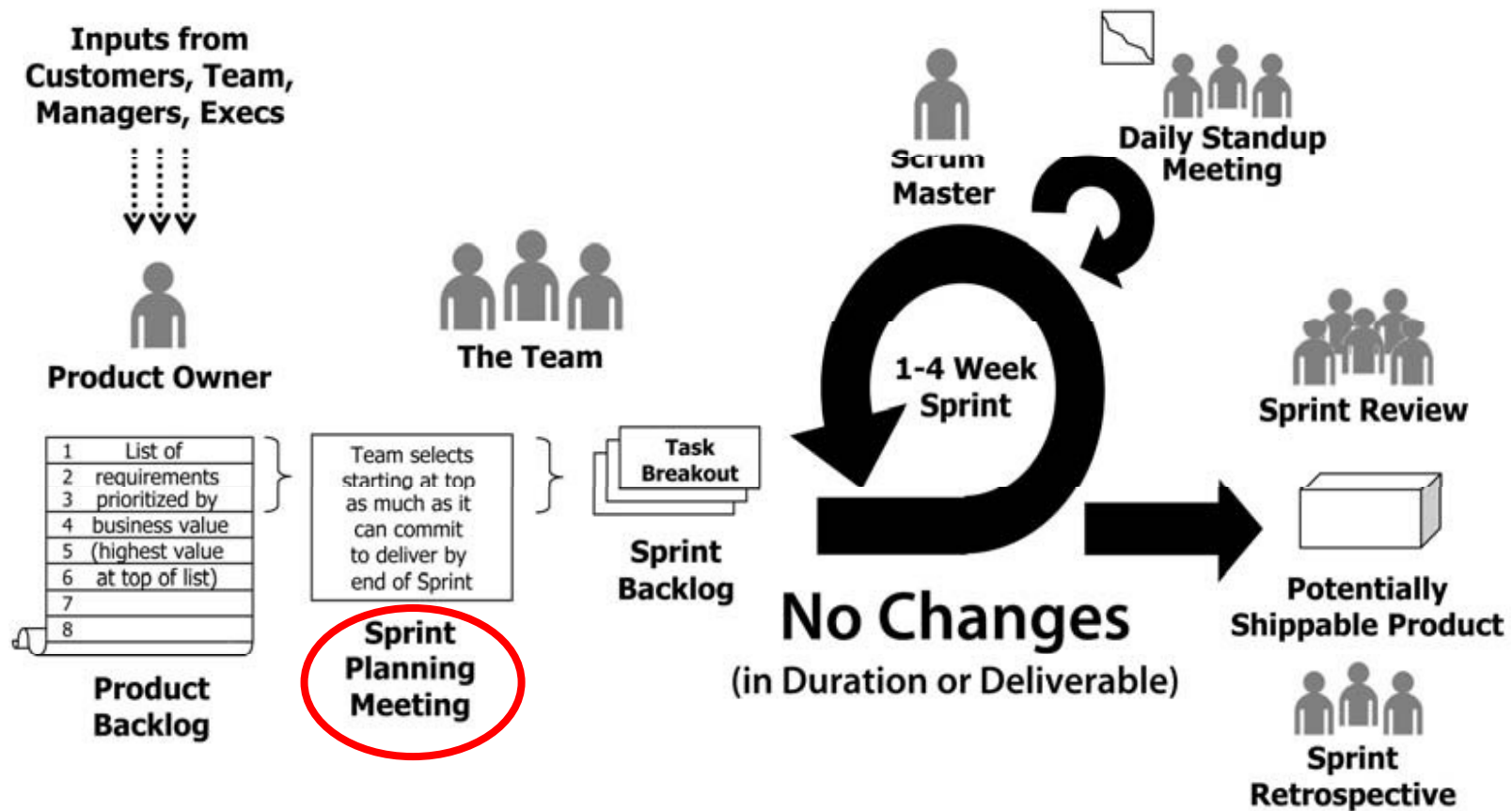
Sprint Review

User Assessment

Proposed Increment 7 Schedule

FY08			FY09												FY10											
4 th Qtr			1 st Qtr			2 nd QTR			3 rd Qtr			4 th Qtr			1 st Qtr			2 nd QTR			3 rd Qtr			4 th Qtr		
J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S
V7.0.1	<div><div>Sprint 1: 14 Jul – 8 Aug</div><div>Sprint 2: 19 Aug – 16 Sep</div><div>Sprint 3: 25 Sep – 23 Oct</div><div>Sprint 4: 3 Nov – 3 Dec</div></div>												<div>Agile Development Process</div>													
V7.1.0	<div><div>Sprint 1: 2 Jan – 30 Jan</div><div>Sprint 2: 10 Feb – 10 Mar</div><div>Sprint 3: 19 Mar – 15 Apr</div><div>Sprint 4: 24 Apr – 21 May</div></div>																									
V7.1.1													<div><div>Sprint 1: 9 Jun – 7 Jul</div><div>Sprint 2: 16 Jul – 12 Aug</div><div>Sprint 3: 21 Aug – 18 Sep</div><div>Sprint 4: 29 Sep – 27 Oct</div></div>													
V7.2	<div><div>Note:</div><div><ul style="list-style-type: none">Completion of relevant artifacts are required prior to a requirement’s inclusion in a sprint, i.e., use case, user story, etc., minimum of 30 days before a sprintRequirements are prioritized through the JS J-4</div></div>												<div><div>Sprint 1: 13 Nov – 14 Dec</div><div>Sprint 2: 6 Jan – 3 Feb</div><div>Sprint 3: 12 Feb – 12 Mar</div><div>Sprint 4: 23 Mar – 19 Apr</div></div>													

Agile Development Process



Three primary roles: The Product Owner, The Team, and The ScrumMaster.

Inputs from Customers, Team, Managers, Execs!!!

Product Backlog



- The product vision, prioritized list of what's required, ranked in order of value to the customer and business, with the highest value items at the top of the list.
- It exists (and evolves) over the lifetime of the project
- Product Backlog is the single, definitive view of “everything that could be done by the team ever, in order of priority”.
- Only a single Product Backlog exists; this means the Product Owner is required to make prioritization decisions across the entire spectrum of work that could be done.

<i>Description</i>	<i>Rough Est. Size</i>
Enable all users to place book in shopping cart (mocks and additional details are located here)	5
Upgrade transaction processing module (must be able to support minimum 500 transactions per second)	13
Investigate solutions for speeding up credit card validation (see target performance metrics located here)	20
Upgrade all servers to Apache 2.2.3	8
Diagnose and fix the order processing script errors (bugzilla ID 14823)	3
Enable all users to create / save wishlist	40
Enable all users to add and delete items on their wishlist	20

First item is current highest priority, next item is next highest priority, and so on...



User Stories



- User Stories: Simple, clear, brief descriptions of functionality that will be valuable to a user. Example:
 - As a <user role>, I can <story> so that <benefit>
- Each user role should be documented with acceptance criteria (AC). Example:
 - User Role = GCSS-J JEPES Engineer
 - User Story (3022) = JEPES Navigator – Crumb Trail
 - As a <JEPES User>, I shall <be able to show the Navigator crumb trails> so that <the user can see where they are in the planning process, and can navigate backwards and forwards to any completed part of the process>
 - Acceptance Criteria determine the US has been satisfied:
 1. Crumb trail is visible
 2. Completed steps on the crumb trail should be a hyperlink
 3. I can go to any hyperlinked step in the navigation process

QUESTIONS ???

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